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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE		Application Number	09/974,870
		Filing Date	October 12, 2001
		First Named Inventor	David Mark WHITCOMBE et al.
		Group Art Unit	1656 1637
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	1991-211
Title of the Invention: METHODS AND PRIMERS FOR DETECTING TARGET NUCLEIC ACID SEQUENCES (as amended)			

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Prior to examination on the merits, please amend the above-identified application as follows:

Page 18, fourth full paragraph, replace with the following:

Examples

Materials

Primers/Scorpions primers:

B2098-BRCA Scorpions: FAM-CGCACGATGTAGCACATCAGAAGCGTGCG-MR-HEG-TTGGAGATTTGTCACTTCCACTCTCAAA (SEQ ID NO: 1); (SEQ ID NO:2)

Underlined regions are the hairpin forming parts, FAM is the fluorescein dye, MR is a non-fluorogenic fluorophore attached to a uracil, HEG is the replication blocking hexethylene glycol monomer. The probe matches the "C-variant" of the BRCA2 polymorphism and mismatches the "A-variant".

R-186-98: untailed equivalent of B2098:TTGGAGATTTGTCACTTCCACTCTCAAA (SEQ ID NO: 2)

R187-98: opposing primer to the R186-98 and the equivalent Scorpions.

Z3702: the probe segment of the Scorpions B2098:

FAM-CGCACGATGTAGCACATCAGAAGCGTGCG-MR (SEQ ID NO: 3)